



SEQUENCE LISTING

<110> ORSER, Cindy  
GROSSET, Anne  
DAVIDSON, Eugene A.

<120> DETECTION OF CONFORMATIONALLY ALTERED PROTEINS AND PRIONS

<130> A28-011

<140> 10/728,246

<141> 2003-12-04

<150> 10/161,061

<151> 2002-05-30

<150> 60/295,456

<151> 2001-05-31

<160> 29

<210> 1

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<400> 1

Val Val Ala Gly Ala Ala Ala Ala Gly Ala Met His Lys Met Asn

1

5

10

15

Thr Lys Pro Lys Met Lys His Met Ala Gly Ala Ala Ala Ala Gly

20

25

30

Ala Val Val

<210> 2

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 2

Lys Pro Lys Thr Asn Leu Lys His Val Ala Gly Ala Ala Ala Ala

1

5

10

15

Gly Ala Val Val

<210> 3

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 3

Leu Lys His Val Ala Gly Ala Ala Ala Ala Gly Ala Val Val  
1 5 10

<210> 4

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 4

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln  
1 5 10 15  
Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala  
20 25 30  
Ile Ile Gly Leu Met Val Gly Gly Val Val  
35 40

<210> 5

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 5

Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly  
1 5 10 15  
Ser Asn Lys Gly Ala Ile Ile Gly Leu  
20

<210> 6

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 6

Glu Val Arg His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly  
1 5 10 15  
Ser Asn Lys Gly Ala Ile Ile Gly Leu  
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<210> 7

<211> 11

<212> PRT

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<400> 7

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met  
1 5 10

<210> 8

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Synthetic Peptide

<400> 8

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15  
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
20 25

<210> 9

<211> 23

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<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 9

Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln  
1 5 10 15  
Gln Gln Gln Gln Gln Gln Gln Gln  
20

<210> 10

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 10

Lys Pro Lys Thr Asn Leu Lys His Val Ala Gly Ala Ala Ala Ala  
1 5 10 15  
Gly Ala Val Val

<210> 11

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 11

Met	Gly	Ile	Leu	Lys	Leu	Gln	Val	Phe	Leu	Ile	Val	Leu	Ser	Val
1				5					10					15
Ala	Leu	Asn	His	Leu	Lys	Ala	Thr	Pro	Ile	Glu	Ser	His	Gln	Val
				20					25					30
Glu	Lys	Arg	Lys	Cys	Asn	Thr	Ala							
				35										

<210> 12

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 12

Met	Ala	Glu	Ser	His	Leu	Leu	Gln	Trp	Leu	Leu	Leu	Leu	Leu	Pro
1				5					10					15
Thr	Leu	Cys	Gly	Pro	Gly	Thr	Ala	Ala	Trp					
				20					25					

<210> 13

<211> 253

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 13

Met	Ala	Asn	Leu	Gly	Cys	Trp	Met	Leu	Val	Leu	Phe	Val	Ala	Thr
1				5					10					15
Trp	Ser	Asp	Leu	Gly	Leu	Cys	Lys	Lys	Arg	Pro	Lys	Pro	Gly	Gly
				20					25					30
Trp	Asn	Thr	Gly	Gly	Ser	Arg	Tyr	Pro	Gly	Gln	Gly	Ser	Pro	Gly
				35					40					45
Gly	Asn	Arg	Tyr	Pro	Pro	Gly	Gly	Gly	Gly	Gly	Trp	Gly	Gln	Pro
				50					55					60
His	Gly	Gly	Gly	Trp	Gly	Gln	Pro	His	Gly	Gly	Gly	Trp	Gly	Gln
				65					70					75
Pro	His	Gly	Gly	Gly	Trp	Gly	Gln	Pro	His	Gly	Gly	Gly	Trp	Gly
				80					85					90
Gly	Gly	Gly	Gly	Thr	His	Ser	Gln	Trp	Asn	Lys	Pro	Ser	Lys	Pro
				95					100					105
Lys	Thr	Asn	Met	Lys	His	Met	Ala	Gly	Ala	Ala	Ala	Ala	Gly	Ala
				110					115					120
Val	Val	Gly	Gly	Leu	Gly	Gly	Tyr	Met	Leu	Gly	Ser	Ala	Met	Ser
				125					130					135
Arg	Pro	Ile	Ile	His	Phe	Gly	Ser	Asp	Tyr	Glu	Asp	Arg	Tyr	Tyr

				140					145					150
Arg	Glu	Asn	Met	His	Arg	Tyr	Pro	Asn	Gln	Val	Tyr	Tyr	Arg	Pro
				155					160					165
Met	Asp	Glu	Tyr	Ser	Asn	Gln	Asn	Asn	Phe	Val	His	Asp	Cys	Val
				170					175					180
Asn	Ile	Thr	Ile	Lys	Gln	His	Thr	Val	Thr	Thr	Thr	Thr	Lys	Gly
				185					190					195
Glu	Asn	Phe	Thr	Glu	Thr	Asp	Val	Lys	Met	Met	Glu	Arg	Val	Val
				200					205					210
Glu	Gln	Met	Cys	Ile	Thr	Gln	Tyr	Glu	Arg	Glu	Ser	Gln	Ala	Tyr
				215					220					225
Tyr	Gln	Arg	Gly	Ser	Ser	Met	Val	Leu	Phe	Ser	Ser	Pro	Pro	Val
				230					235					240
Ile	Leu	Leu	Ile	Ser	Phe	Leu	Ile	Phe	Leu	Ile	Val	Gly		
				245					250					

<210> 14  
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 <213> murine

<220>

<400> 14

Met	Ala	Asn	Leu	Gly	Tyr	Trp	Leu	Leu	Ala	Leu	Phe	Val	Thr	Met
1				5					10					15
Trp	Thr	Asp	Val	Gly	Leu	Cys	Lys	Lys	Arg	Pro	Lys	Pro	Gly	Gly
				20					25					30
Trp	Asn	Thr	Gly	Gly	Ser	Arg	Tyr	Pro	Gly	Gln	Gly	Ser	Pro	Gly
				35					40					45
Gly	Asn	Arg	Tyr	Pro	Pro	Gln	Gly	Gly	Thr	Trp	Gly	Gln	Pro	His
				50					55					60
Gly	Gly	Gly	Trp	Gly	Gln	Pro	His	Gly	Gly	Ser	Trp	Gly	Gln	Pro
				65					70					75
His	Gly	Gly	Ser	Trp	Gly	Gln	Pro	His	Gly	Gly	Gly	Trp	Gly	Gln
				80					85					90
Gly	Gly	Gly	Thr	His	Asn	Gln	Trp	Asn	Lys	Pro	Ser	Lys	Pro	Lys
				95					100					105
Thr	Asn	Leu	Lys	His	Val	Ala	Gly	Ala	Ala	Ala	Ala	Gly	Ala	Val
				110					115					120
Val	Gly	Gly	Leu	Gly	Gly	Tyr	Met	Leu	Gly	Ser	Ala	Met	Ser	Arg
				125					130					135
Pro	Met	Ile	His	Phe	Gly	Asn	Asp	Trp	Glu	Asp	Arg	Tyr	Tyr	Arg
				140					145					150
Glu	Asn	Met	Tyr	Arg	Tyr	Pro	Asn	Gln	Val	Tyr	Tyr	Arg	Pro	Val
				155					160					165
Asp	Gln	Tyr	Ser	Asn	Gln	Asn	Asn	Phe	Val	His	Asp	Cys	Val	Asn
				170					175					180
Ile	Thr	Ile	Lys	Gln	His	Thr	Val	Thr	Thr	Thr	Thr	Lys	Gly	Glu
				185					190					195
Asn	Phe	Thr	Glu	Thr	Asp	Val	Lys	Met	Met	Glu	Arg	Val	Val	Glu
				200					205					210
Gln	Met	Cys	Val	Thr	Gln	Tyr	Gln	Lys	Glu	Ser	Gln	Ala	Tyr	Tyr
				215					220					225
Asp	Gly	Arg	Arg	Ser	Ser	Ser	Thr	Val	Leu	Phe	Ser	Ser	Pro	Pro
				230					235					240
Val	Ile	Leu	Leu	Ile	Ser	Phe	Leu	Ile	Phe	Leu	Ile	Val	Gly	

245

250

&lt;210&gt; 15

&lt;211&gt; 782

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Synthetic Peptide

&lt;400&gt; 15

Met	Ala	Pro	His	Arg	Pro	Ala	Pro	Ala	Leu	Leu	Cys	Ala	Leu	Ser
1				5					10					15
Leu	Ala	Leu	Cys	Ala	Leu	Ser	Leu	Pro	Val	Arg	Ala	Ala	Thr	Ala
				20					25					30
Ser	Arg	Gly	Ala	Ser	Gln	Ala	Gly	Ala	Pro	Gln	Gly	Arg	Val	Pro
				35					40					45
Glu	Ala	Arg	Pro	Asn	Ser	Met	Val	Val	Glu	His	Pro	Glu	Phe	Leu
				50					55					60
Lys	Ala	Gly	Lys	Glu	Pro	Gly	Leu	Gln	Ile	Trp	Arg	Val	Glu	Lys
				65					70					75
Phe	Asp	Leu	Val	Pro	Val	Pro	Thr	Asn	Leu	Tyr	Gly	Asp	Phe	Phe
				80					85					90
Thr	Gly	Asp	Ala	Tyr	Val	Ile	Leu	Lys	Thr	Val	Gln	Leu	Arg	Asn
				95					100					105
Gly	Asn	Leu	Gln	Tyr	Asp	Leu	His	Tyr	Trp	Leu	Gly	Asn	Glu	Cys
				110					115					120
Ser	Gln	Asp	Glu	Ser	Gly	Ala	Ala	Ala	Ile	Phe	Thr	Val	Gln	Leu
				125					130					135
Asp	Asp	Tyr	Leu	Asn	Gly	Arg	Ala	Val	Gln	His	Arg	Glu	Val	Gln
				140					145					150
Gly	Phe	Glu	Ser	Ala	Thr	Phe	Leu	Gly	Tyr	Phe	Lys	Ser	Gly	Leu
				155					160					165
Lys	Tyr	Lys	Lys	Gly	Gly	Val	Ala	Ser	Gly	Phe	Lys	His	Val	Val
				170					175					180
Pro	Asn	Glu	Val	Val	Val	Gln	Arg	Leu	Phe	Gln	Val	Lys	Gly	Arg
				185					190					195
Arg	Val	Val	Arg	Ala	Thr	Glu	Val	Pro	Val	Ser	Trp	Glu	Ser	Phe
				200					205					210
Asn	Asn	Gly	Asp	Cys	Phe	Ile	Leu	Asp	Leu	Gly	Asn	Asn	Ile	His
				215					220					225
Gln	Trp	Cys	Gly	Ser	Asn	Ser	Asn	Arg	Tyr	Glu	Arg	Leu	Lys	Ala
				230					235					240
Thr	Gln	Val	Ser	Lys	Gly	Ile	Arg	Asp	Asn	Glu	Arg	Ser	Gly	Arg
				245					250					255
Ala	Arg	Val	His	Val	Ser	Glu	Glu	Gly	Thr	Glu	Pro	Glu	Ala	Met
				260					265					270
Leu	Gln	Val	Leu	Gly	Pro	Lys	Pro	Ala	Leu	Pro	Ala	Gly	Thr	Glu
				275					280					285
Asp	Thr	Ala	Lys	Glu	Asp	Ala	Ala	Asn	Arg	Lys	Leu	Ala	Lys	Leu
				290					295					300
Tyr	Lys	Val	Ser	Asn	Gly	Ala	Gly	Thr	Met	Ser	Val	Ser	Leu	Val
				305					310					315
Ala	Asp	Glu	Asn	Pro	Phe	Ala	Gln	Gly	Ala	Leu	Lys	Ser	Glu	Asp
				320					325					330
Cys	Phe	Ile	Leu	Asp	His	Gly	Lys	Asp	Gly	Lys	Ile	Phe	Val	Trp
				335					340					345

Lys Gly Lys Gln	Ala Asn Thr Glu Glu	Arg Lys Ala Ala Leu	Lys
350	355		360
Thr Ala Ser Asp	Phe Ile Thr Lys Met	Asp Tyr Pro Lys Gln	Thr
365	370		375
Gln Val Ser Val	Leu Pro Glu Gly Gly	Glu Thr Pro Leu Phe	Lys
380	385		390
Gln Phe Phe Lys	Asn Trp Arg Asn Pro	Asn Gln Thr Asn Gly	Leu
395	400		405
Gly Leu Ser Tyr	Leu Ser Ser His Ile	Ala Asn Val Glu Arg	Val
410	415		420
Pro Phe Asp Ala	Ala Thr Leu His Thr	Ser Thr Ala Met Ala	Ala
425	430		435
Gln His Gly Met	Asp Asp Asp Gly Thr	Gly Gln Lys Gln Ile	Trp
440	445		450
Arg Ile Glu Gly	Ser Asn Lys Val Pro	Val Asp Pro Ala Thr	Tyr
455	460		465
Gly Gln Phe Tyr	Gly Gly Asp Ser Tyr	Ile Ile Leu Tyr Asn	Tyr
470	475		480
Arg His Gly Gly	Arg Gln Gly Gln Ile	Ile Tyr Asn Trp Gln	Gly
485	490		495
Arg Gln Ser Thr	Gln Asp Glu Val Ala	Ala Ser Ala Ile Leu	Thr
500	505		510
Ala Gln Leu Asp	Glu Glu Leu Gln Gln	Thr Pro Val Gln Ser	Arg
515	520		525
Val Val Gln Gly	Lys Glu Pro Ala His	Leu Met Ser Leu Phe	Gly
530	535		540
Gly Lys Pro Met	Ile Ile Tyr Lys Gly	Gly Thr Ser Arg Glu	Gly
545	550		555
Gly Gln Thr Ala	Pro Ala Ser Thr Arg	Leu Phe Gln Val Arg	Ala
560	565		570
Asn Ser Ala Gly	Ala Thr Arg Ala Val	Glu Val Leu Pro Lys	Ala
575	580		585
Gly Ala Leu Asn	Ser Asn Asp Ala Phe	Val Leu Lys Thr Pro	Ser
590	595		600
Ala Ala Tyr Leu	Trp Val Gly Thr Gly	Ala Ser Glu Ala Glu	Lys
605	610		615
Thr Gly Ala Gln	Glu Leu Leu Arg Val	Leu Arg Ala Gln Pro	Val
620	625		630
Gln Val Ala Glu	Gly Ser Glu Pro Asp	Gly Phe Trp Glu Ala	Leu
635	640		645
Gly Gly Lys Ala	Ala Tyr Arg Thr Ser	Pro Arg Leu Lys Asp	Lys
650	655		660
Lys Met Asp Ala	His Pro Pro Arg Leu	Phe Ala Cys Ser Asn	Lys
665	670		675
Ile Gly Arg Phe	Val Ile Glu Glu Val	Pro Gly Glu Leu Met	Gln
680	685		690
Glu Asp Leu Ala	Thr Asp Asp Val Met	Leu Leu Asp Thr Trp	Asp
695	700		705
Gln Val Phe Val	Trp Val Gly Lys Asp	Ser Gln Glu Glu Glu	Lys
710	715		720
Thr Glu Ala Leu	Thr Ser Ala Lys Arg	Tyr Ile Glu Thr Asp	Pro
725	730		735
Ala Asn Arg Asp	Arg Arg Thr Pro Ile	Thr Val Val Lys Gln	Gly
740	745		750
Phe Glu Pro Pro	Ser Phe Val Gly Trp	Phe Leu Gly Trp Asp	Asp
755	760		765
Asp Tyr Trp Ser	Val Asp Pro Leu Asp	Arg Ala Met Ala Glu	Leu

Ala Ala                    770                    775                    780

<210> 16  
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 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 16  
 Tyr Glu Arg Leu Lys Ala Thr Gln Val Ser Lys Gly Ile Arg Asp  
   1                  5                  10                  15  
 Asn Glu Arg Ser Gly Arg Ala Arg Val His Val Ser Glu Glu Gly  
                   20                  25                  30  
 Thr Glu Pro Glu Ala Met  
                   35

<210> 17  
 <211> 146  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 17  
 Met Ala Gly Pro Leu Arg Ala Pro Leu Leu Leu Ala Ile Leu  
   1                  5                  10                  15  
 Ala Val Ala Leu Ala Val Ser Pro Ala Ala Gly Ser Ser Pro Gly  
                   20                  25                  30  
 Lys Pro Pro Arg Leu Val Gly Gly Pro Met Asp Ala Ser Val Glu  
                   35                  40                  45  
 Glu Glu Gly Val Arg Arg Ala Leu Asp Phe Ala Val Gly Glu Tyr  
                   50                  55                  60  
 Asn Lys Ala Ser Asn Asp Met Tyr His Ser Arg Ala Leu Gln Val  
                   65                  70                  75  
 Val Arg Ala Arg Lys Gln Ile Val Ala Gly Val Asn Tyr Phe Leu  
                   80                  85                  90  
 Asp Val Glu Leu Gly Arg Thr Thr Cys Thr Lys Thr Gln Pro Asn  
                   95                  100                  105  
 Leu Asp Asn Cys Pro Phe His Asp Gln Pro His Leu Lys Arg Lys  
                   110                  115                  120  
 Ala Phe Cys Ser Phe Gln Ile Tyr Ala Val Pro Trp Gln Gly Thr  
                   125                  130                  135  
 Met Thr Leu Ser Lys Ser Thr Cys Gln Asp Ala  
                   140                  145

<210> 18  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide



<400> 18

Glu	Glu	Glu	Val	Ser	Ala	Asp	Met	Pro	Pro	Pro	Pro	Met	Asp	Ala
1				5					10					15
Ser	Val	Glu	Glu	Glu										
				20										

<210> 19

<211> 315

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 19

Met	Ala	Thr	Leu	Glu	Lys	Leu	Met	Lys	Ala	Phe	Glu	Ser	Leu	Lys
1				5					10					15
Ser	Phe	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln
				20					25					30
Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Pro	Pro	Pro	Pro	Pro
				35					40					45
Pro	Pro	Pro	Pro	Pro	Pro	Gln	Leu	Pro	Gln	Pro	Pro	Pro	Gln	Ala
				50					55					60
Gln	Pro	Leu	Leu	Pro	Gln	Pro	Gln	Pro	Pro	Pro	Pro	Pro	Pro	Pro
				65					70					75
Pro	Pro	Pro	Gly	Pro	Ala	Val	Ala	Glu	Glu	Pro	Leu	His	Arg	Pro
				80					85					90
Lys	Lys	Glu	Leu	Ser	Ala	Thr	Lys	Lys	Asp	Arg	Val	Asn	His	Cys
				95					100					105
Leu	Thr	Ile	Cys	Glu	Asn	Ile	Val	Ala	Gln	Ser	Val	Arg	Asn	Ser
				110					115					120
Pro	Glu	Phe	Gln	Lys	Leu	Leu	Gly	Ile	Ala	Met	Glu	Leu	Phe	Leu
				125					130					135
Leu	Cys	Ser	Asp	Asp	Ala	Glu	Ser	Asp	Val	Arg	Met	Val	Ala	Asp
				140					145					150
Glu	Cys	Leu	Asn	Lys	Val	Ile	Lys	Ala	Leu	Met	Asp	Ser	Asn	Leu
				155					160					165
Pro	Arg	Leu	Gln	Leu	Glu	Leu	Tyr	Lys	Glu	Ile	Lys	Lys	Asn	Gly
				170					175					180
Ala	Pro	Arg	Ser	Leu	Arg	Ala	Ala	Leu	Trp	Arg	Phe	Ala	Glu	Leu
				185					190					195
Ala	His	Leu	Val	Arg	Pro	Gln	Lys	Cys	Arg	Pro	Tyr	Leu	Val	Asn
				200					205					210
Leu	Leu	Pro	Cys	Leu	Thr	Arg	Thr	Ser	Lys	Arg	Pro	Glu	Glu	Ser
				215					220					225
Val	Gln	Glu	Thr	Leu	Ala	Ala	Ala	Val	Pro	Lys	Ile	Met	Ala	Ser
				230					235					240
Phe	Gly	Asn	Phe	Ala	Asn	Asp	Asn	Glu	Ile	Lys	Val	Leu	Leu	Lys
				245					250					255
Ala	Phe	Ile	Ala	Asn	Leu	Lys	Ser	Ser	Ser	Pro	Thr	Ile	Arg	Arg
				260					265					270
Thr	Ala	Ala	Gly	Ser	Ala	Val	Ser	Ile	Cys	Gln	His	Ser	Arg	Arg
				275					280					285
Thr	Gln	Tyr	Phe	Tyr	Ser	Trp	Leu	Leu	Asn	Val	Leu	Leu	Gly	Leu
				290					295					300
Leu	Val	Pro	Val	Glu	Asp	Glu	His	Ser	Thr	Leu	Leu	Ile	Leu	Gly
				305					310					315

<210> 20  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 20  
Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln  
1 5 10 15  
Gln Gln

<210> 21  
<211> 89  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 21  
Met Gly Ile Leu Lys Leu Gln Val Phe Leu Ile Val Leu Ser Val  
1 5 10 15  
Ala Leu Asn His Leu Lys Ala Thr Pro Ile Glu Ser His Gln Val  
20 25 30  
Glu Lys Arg Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu  
35 40 45  
Ala Asn Phe Leu Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu  
50 55 60  
Ser Ser Thr Asn Val Gly Ser Asn Thr Tyr Gly Lys Arg Asn Ala  
65 70 75  
Val Glu Val Leu Lys Arg Glu Pro Leu Asn Tyr Leu Pro Leu  
80 85

<210> 22  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 22  
Leu Ala Asn Phe Val  
1 5

<210> 23  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 23

Val	Phe	Asn	Ala	Leu	Pro	Pro	Pro	Pro	Leu	Ala	Asn	Phe	Val
1				5					10				

<210> 24

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 24

Phe	Leu	Val	His	Ser	Ser
1				5	

<210> 25

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 25

Ser	Ser	His	Val	Leu	Phe	Pro	Pro	Pro	Phe	Leu	Val	His	Ser	Ser
1				5					10					15

<210> 26

<211> 147

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 26

Met	Ala	Ser	His	Arg	Leu	Leu	Leu	Leu	Cys	Leu	Ala	Gly	Leu	Val
1				5					10					15
Phe	Val	Ser	Glu	Ala	Gly	Pro	Thr	Gly	Thr	Gly	Glu	Ser	Lys	Cys
				20					25					30
Pro	Leu	Met	Val	Lys	Val	Leu	Asp	Ala	Val	Arg	Gly	Ser	Pro	Ala
				35					40					45
Ile	Asn	Val	Ala	Val	His	Val	Phe	Arg	Lys	Ala	Ala	Asp	Asp	Thr
				50					55					60
Trp	Glu	Pro	Phe	Ala	Ser	Gly	Lys	Thr	Ser	Glu	Ser	Gly	Glu	Leu
				65					70					75
His	Gly	Leu	Thr	Thr	Glu	Glu	Glu	Phe	Val	Glu	Gly	Ile	Tyr	Lys

